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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/079,807	02/22/2002	Bernth Johansson	07582.0005-02000	6039
	90 09/12/2003	DOW CARPETT & DIRRIED		
FINNEGAN, HENDERSON, FARABOW, GARRETT & DUNNER			EXAMINER	
LLP 1300 I STREET			GREGORY, BERNARR E	
WASHINGTON	N, DC 20005		ART UNIT PAPER NUMBER	
			3662	
			DATE MAILED: 09/12/2003	

Please find below and/or attached an Office communication concerning this application or proceeding.

			
	Application No.	Applicant(s)	
Office Action Symmony	10/079,807	JOHANSSON ET AL.	
Office Action Summary	Examiner	Art Unit	1
	Bernarr E. Gregory	3662	
The MAILING DATE of this communication appeared for Reply	pears on the cover sheet with th	e correspondence address	;
A SHORTENED STATUTORY PERIOD FOR REPL THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1. after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a rep - If NO period for reply is specified above, the maximum statutory period - Failure to reply within the set or extended period for reply will, by statut - Any reply received by the Office later than three months after the mailin earned patent term adjustment. See 37 CFR 1.704(b). Status	136(a). In no event, however, may a reply be only within the statutory minimum of thirty (30) will apply and will expire SIX (6) MONTHS from the course the application to become ABANDO	e timely filed days will be considered timely. rom the mailing date of this communication. DNED (35 U.S.C. § 133).	BEST AVAIL
1) Responsive to communication(s) filed on			
, 	——· his action is non-final.		E 10
3) Since this application is in condition for allow		prosecution as to the merits is	
closed in accordance with the practice under Disposition of Claims			Y COPY
4) Claim(s) 1-40 is/are pending in the application	n.		2
4a) Of the above claim(s) is/are withdra	wn from consideration.		
5)⊠ Claim(s) <u>1-15 and 22-40</u> is/are allowed.	•		
6)⊠ Claim(s) <u>16-21</u> is/are rejected.			
7) Claim(s) is/are objected to.			
8) Claim(s) are subject to restriction and/o	or election requirement.		
Application Papers			
9) The specification is objected to by the Examine			
10) The drawing(s) filed on is/are: a) acce	•		
Applicant may not request that any objection to the		• •	
11) The proposed drawing correction filed on		proved by the Examiner.	
If approved, corrected drawings are required in re	• •		
12) The oath or declaration is objected to by the Ex	xaminer.		
Priority under 35 U.S.C. §§ 119 and 120			
13) Acknowledgment is made of a claim for foreig	n priority under 35 U.S.C. § 119	∂(a)-(d) or (f).	
a) ☐ All b) ☐ Some * c) ☐ None of:		•	
1. Certified copies of the priority document			
2. Certified copies of the priority document	ts have been received in Applic	ation No	
 3. Copies of the certified copies of the price application from the International But * See the attached detailed Office action for a list 	ureau (PCT Rule 17.2(a)).	• .	
14) Acknowledgment is made of a claim for domest	tic priority under 35 U.S.C. § 11	9(e) (to a provisional application	on).
a) ☐ The translation of the foreign language pro	• •		·
Attachment(s)			
1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449) Paper No(s) 1	5) Notice of Inform	nary (PTO-413) Paper No(s)	

Application/Control Number: 10/079,807

Art Unit: 3662

1. Claims 1-15 and 22-40 are allowable over the prior art of record.

2. Claims 16-21 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

On lines 6-7 of independent claim 16, the phrase "selectively enabling the transmit and receive antennas to allow each of the receive antennas to receive energy from any one of the transmit antennas" is indefinite and unclear in context. The words "selectively enabling the transmit and receive antennas" seems to indicate that variously transmit and receive antennas are switched on and off, with only a subset of each being on at any given time; however, the remainder of the phrase seems to contradict this in that any receive antenna can receive a signal from any transmit antenna.

On line 1 of claim 21, the phrase "a plurality of receive antenna transmits" is indefinite and unclear in context in that the word "plurality" is used, but the noun "antenna" in the singular," and in that third person singular form of the verb is used.

Dependent claims 17-21 are unclear in that they depend from unclear independent claim 16.

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

⁽b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

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4. Claims 16, 20, and 21 are rejected under 35 U.S.C. 102(b) as being anticipated by Komatsu et al ('909).

With respect to independent claim 16, the preamble is merely an expression of intended use. As for the body of claim 16, Figure 3 of Komatsu et al ('909) plainly shows the plurality of transmit antennas and plurality of receive antennas linearly arranged as well as "means for selectively enabling ..." as items 122 and 123 in Figure 3 of Komatsu et al ('909).

With respect to the further limitations of dependent claim 20, since Komatsu et al ('909) is a vehicle collision sensing radar, it would determine a direction of movement as claimed.

With respect to the further limitations of dependent claim 21, the taps off of mixers 117a through 117d (wrong labelled 117c) going to switch 124 in Figure 3 of Komatsu et al ('909) meet the limitations of the claim. Switch 124 in Figure 3 of Komatsu et al ('909) is broadly a "control unit."

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Bernarr E. Gregory whose telephone number is (703) 306-5765. The examiner can normally be reached on weekdays from 7:30 AM to 4:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Thomas H. Tarcza, can be reached on (703) 306-4171. The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9306

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Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 308-1113.

Bernarr E. Gregory Primary Examiner Art Unit 3662